Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	378	717/173	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 15:55
S2	494	717/168	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 15:56
S3	181	717/169	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 15:57
S4	5111	(patch$3 or updat$3) and (compar$4) and resource and (merg$3 or add$3 or combin$5) and java	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 15:59
S5	74	(patch$3 or updat$3) and (compar$4) and resource and (merg$3 or add$3 or combin$5) and java and 717/??	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 15:59
S6	411	(patch$3 or updat$3) and (compar$4) and resource and (merg$3 or add$3 or combin$5) and java and 717/???	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 15:59
S7	11	(patch$3 or updat$3) and (compar$4) and resource same (merg$3 or add$3 or combin$5) same java and 717/???	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 16:37
S8	0	java adj code adj release	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 16:38
S9	46	maintain$3 adj java	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 16:41

S10	0	java adj (code adj release)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 16:38
S11	52	"high water mark" and java	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 18:00
S12	1737	java and third-party	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 16:44
S13	126	java and (integrat$3 near2 third-party)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 17:29
S14	0	java and (granular near3 patch$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 16:47
S15	0	java and (grandular near3 patch$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 16:47
S16	3	java and (integrat$3 near2 third-party) and (717/16? or 717/17?)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 17:28
S17	124	java and (integrat$3 near2 third-party) and (updat$3 or install$5 or patch$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 17:29
S18	5	java and (integrat$3 near2 third-party) same (updat$3 or install$5 or patch$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 17:32
S19	553	java and (third-party) same (integrat$3 or updat$3 or install$5 or patch$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 17:32

S20	253	S4 and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 17:32
S21	17	("5193185" | "5355474" | "5414812" | "5432925" | "5588150" | "5590321" | "5612865" | "5857197" | "5915253" | "5920870" | "5970490" | "6012067" | "6018627" | "6044403" | "6122627" | "6336118" | "6397203").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/22 17:50
S22	0	java and ((resource adj file) same metadata same (librar$3 or dll)) and (patch$3 or updat$3 or upgrad$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 18:03
S23	9	java and ((resource adj file) and metadata and (librar$3 or dll)) and (patch$3 or updat$3 or upgrad$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 18:06
S24	9	java and ((resource adj file) and metadata and (librar$3 or dll)) and (patch$3 or updat$3 or upgrad$3 or extensible or extendable)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 18:07
S25	637	java and (patch$3 or updat$3 or upgrad$3 or extensible or extendable) and (jar or (java adj archiv$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/22 18:09
S26	104	java and (generat$3 or packag$3 or build$3) near2 (patch$3 or updat$3 or upgrad$3 or extensible or extendable) and (jar or (java adj archiv$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/23 07:14
S27	15	("5155847" | "5182806" | "5204960" | "5495610" | "5519866" | "5566335" | "5581764" | "5673387" | "5699275" | "5799189" | "5893113" | "5905896" | "5909581" | "5933647" | "5960204").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/22 18:17
S28	13	java same (generat$3 or packag$3 or build$3) near2 (patch$3 or updat$3 or upgrad$3 or extensible or extendable) and (jar or (java adj archiv$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/23 07:14

S29	2	java same (security near3 patch$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/12 09:22
S30	77	(international and business).as. and (product adj release)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 11:06
S31	18	("4809170" "5479654" "5574906" "5649200" "5671398" "5729743" "5790856" "6006034" "6347407"). pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 11:07
S32	18	("4809170" "5479654" "5574906" "5649200" "5671398" "5729743" "5790856" "6006034" "6349407"). pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 11:15
S33	13963	(jar or cab) and (updat$3 or version$3 or patch$3 or delta$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 11:17
S34	1180	(jar or cab) same (updat$3 or version$3 or patch$3 or delta$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 11:17
S35	19	(jar or cab) same (updat$3 or version$3 or patch$3 or delta$3) and sun.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/12 11:17
S36	2	("6535894").URPN.	USPAT	OR	OFF	2005/01/12 11:21

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Compressing Java class files

William Pugh

May 1999 **ACM SIGPLAN N tices , Pr ceedings f the ACM SIGPLAN 1999 c nference n Pr gramming language design and implementati n,**
Volume 34 Issue 5

Full text available: pdf(1.44 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Java class files are often distributed as jar files, which are collections of individually compressed class files (and possibility other files). Jar files are typically about 1/2 the size of the original class files due to compression. I have developed a wire-code format for collections of Java class files. This format is typically 1/2 to 1/5 of the size of the corresponding compressed jar file (1/4 to 1/10 the size of the original class files).